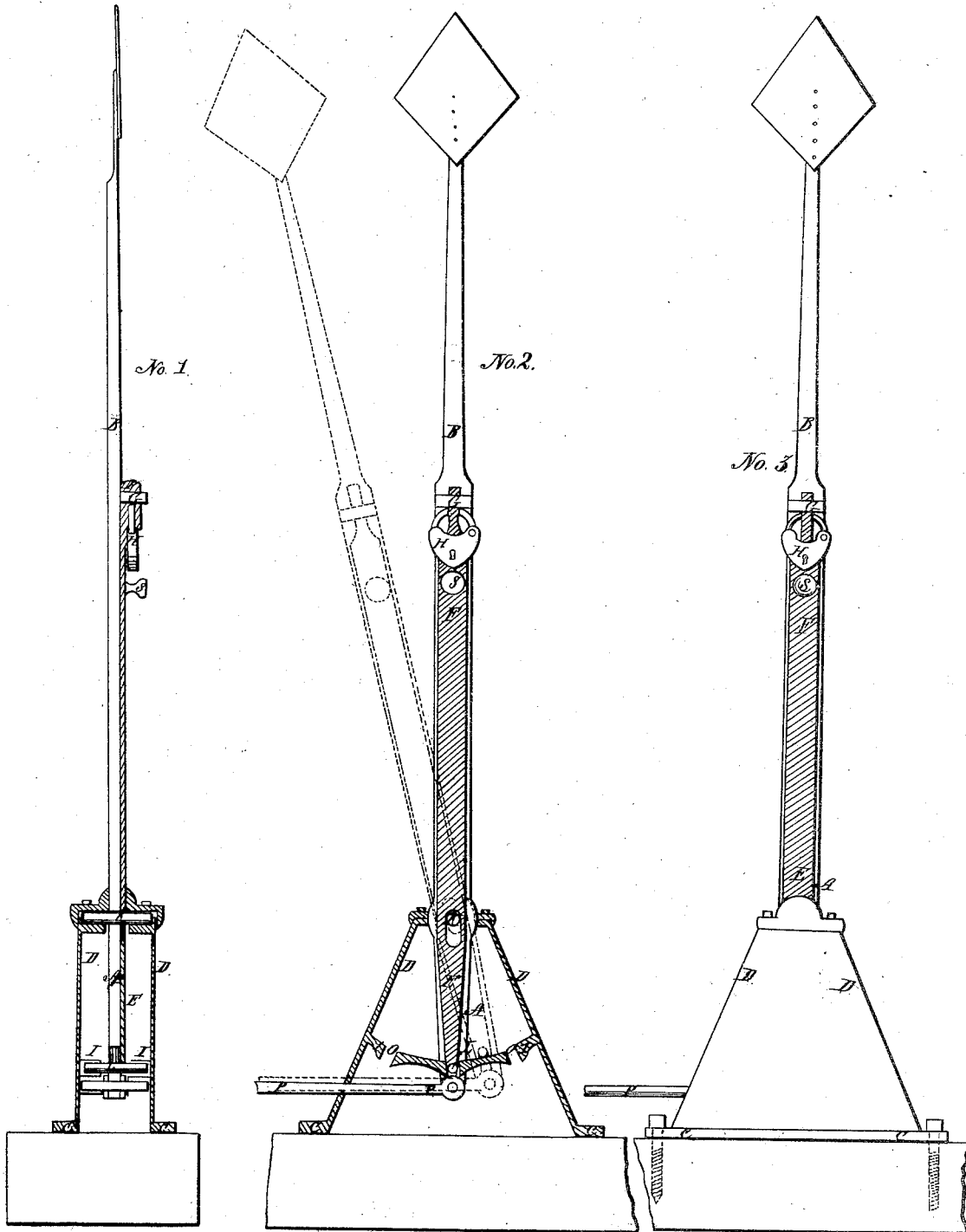


*F. G. Woodward.*

*Railroad Switch.*

*N<sup>o</sup> 6,394.*

*Patented Apr. 24, 1849.*



# UNITED STATES PATENT OFFICE.

FRANCIS G. WOODWARD, OF WORCESTER, MASSACHUSETTS.

## METHOD OF FASTENING RAILROAD-SWITCHES.

Specification of Letters Patent No. 6,394, dated April 24, 1849.

*To all whom it may concern:*

Be it known that I, FRANCIS G. WOODWARD, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Machine for Shifting and Fastening Railroad-Switches, and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

No. 1 is a front section in the line L, E, K, F, S, B, No. 2. D, D, C, C, is a cast iron stand having a flange around its base for fastening it to the sleeper. A, B, is a hand lever having its fulcrum K, in the top of said stand. P, P, is a rod connecting said lever to the switch rails in the usual manner.

The mode of fastening is as follows: I, I, are two parallel arcs cast upon the inner surface of the stand, between which the lower end of the lever A, B, moves back and forth, these arcs have notches O O in them at such a distance asunder as the switch is required to be moved, in five inches. When the lever is in either of the positions for fastening the pin L, drops into the notches O, O, and thus secures the

switch firmly. The pin L, is fixed to, and is a part of the slide E, F. This slide extends upward to S, where it passes through a staple G. I, is a mob for lifting the pin L from the notches when the switch is to be moved. H, is a padlock for fastening the pin in the notches.

What I claim as my invention and desire to secure by Letters Patent, is—

1. Fastening a railroad switch lever into its place by means of arcs with slots or notches in them, attached to the lower part of the stand, into which slots a bolt drops which bolt passes through an elongated hole in the lower part of the lever.

2. I also claim locking the said bolt fast to the main lever, substantially in the manner and for the purpose herein described.

In testimony whereof I the said FRANCIS G. WOODWARD hereto subscribe my name in the presence of the witnesses whose names are hereto subscribed on the 22d day of March 1849.

FRANCIS G. WOODWARD.

Signed in the presence of—

S. B. I. GODDARD,

WM. L. SOUTHWICK.